

Title (en)
IMMUNOCHEMICAL CONJUGATES: METHOD AND COMPOSITION

Publication
EP 0015059 A3 19801210 (EN)

Application
EP 80300158 A 19800117

Priority
US 433379 A 19790118

Abstract (en)
[origin: EP0015059A2] Techniques for preparing stable conjugates of protein-D-GL which can then be isolated in pure form are disclosed, using hen egg ovalbumin (OVA) as a prototype protein, and conjugation and purification methods are described which involve 1) application of a coupling method employing M-maleimidobenzoyl-N-hydroxysuccinimide ester (MBS) as the coupling reagent, and 2) introduction of biotin moieties into D-GL molecules to allow application of an avidin-biotin system for affinity chromatographic purification of conjugates. These methods are applicable to the preparation of D-GL conjugates of insulin and Ragweed Antigen E and are of general applicability. The conjugating link in the conjugates is

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Citation (search report)
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• FR 2382458 A1 19780929 - RESEARCH CORP [US]
• FR 2379287 A1 19780901 - KATZ DAVID [US]
• [D] THE JOURNAL OF IMMUNOLOGY, Vol. 114, No. 2, Part 2, February 1975, pages 872-876 Baltimore, U.S.A. Z. ESHHAR et al.: "Induction of tolerance to nucleic acid determinants by administration of a complex of nucleoside d-glutamic acid and d-lysine (D-GL)" * Abstract; page 872, column 2 - page 873, column 1, line 16 *
• [D] CHEMICAL ABSTRACTS, Vol. 57, No. 1, 9th July 1962, column 2552b Columbus, Ohio, U.S.A. I.M. KLOTZ et al.: "Introduction of sulfhydryl groups into proteins using acetylmercaptosuccinic anhydride" & ARCH. BIOCHEM. BIOPHYS. 96, 605-12 (1962) * Abstract *
• CHEMICAL ABSTRACTS, Vol. 89, No. 3, 17th July 1978, page 281, No. 19547t Columbus, Ohio, U.S.A. J.A. SWACK et al.: "Use of avidin-Sepharose to isolate and identify biotin polypeptides from crude extracts" & ANAL. BIOCHEM. 1978, 87(1), 114-26 * Abstract *
• [P] BIOCHEMISTRY, Vol. 18, No. 4, 1979, pages 690-696 Easton P.A., U.S.A. F.T. LIU et al.: "New procedures for preparation and isolation of conjugates of proteins and a synthetic copolymer of D-amino acids and immunochemical characterization of such conjugates" * The whole document *

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